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CD2BP2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10949a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O95400
Other Accession	Q9CWK3, NP_006101.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19763
Calculated MW	37646
Antigen Region	24-52

Additional Information

Gene ID	10421
Other Names	CD2 antigen cytoplasmic tail-binding protein 2, CD2 cytoplasmic domain-binding protein 2, CD2 tail-binding protein 2, U5 snRNP 52K protein, U5-52K, CD2BP2, KIAA1178
Target/Specificity	This CD2BP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-52 amino acids from the N-terminal region of human CD2BP2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD2BP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CD2BP2

Synonyms	KIAA1178
Function	Involved in pre-mRNA splicing as component of the U5 snRNP complex that is involved in spliceosome assembly.
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly nuclear.

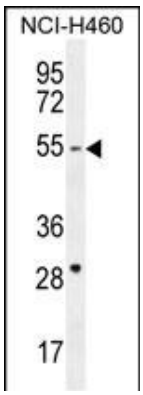
Background

This gene encodes a bi-functional protein. In the cytoplasm, the encoded protein binds the cytoplasmic tail of human surface antigen CD2 via its C-terminal GYF domain, and regulate CD2-triggered T lymphocyte activation. In the nucleus, this protein is a component of the U5 small nuclear ribonucleoprotein complex and is involved in RNA splicing. A pseudogene has been identified on chromosome 7. Alternative splicing results in multiple transcript variants but their biological validity has not been determined.

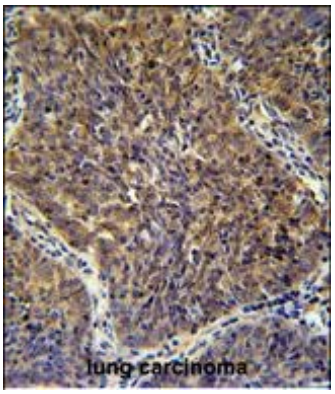
References

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Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Al-Dhaheri, M.H., et al. Steroids 71 (11-12), 966-978 (2006) :

Images

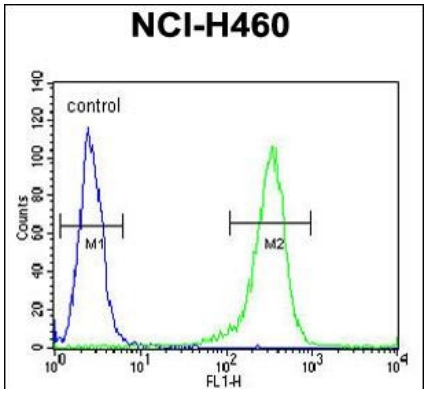


CD2BP2 Antibody (N-term) (Cat. #AP10949a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the CD2BP2 antibody detected the CD2BP2 protein (arrow).



CD2BP2 antibody(N-term) (Cat. #AP10949a) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CD2BP2 antibody(N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CD2BP2 Antibody (N-term) (Cat. #AP10949a) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.